

Title (en)
PLANAR-SENSOR ARRANGEMENT, SENSOR ARRAY AND METHOD FOR THE PRODUCTION OF A PLANAR-SENSOR ARRANGEMENT

Title (de)
PLANAR-SENSOR-ANORDNUNG, SENSOR-ARRAY UND VERFAHREN ZUM HERSTELLEN EINER PLANAR-SENSOR-ANORDNUNG

Title (fr)
ENSEMBLE DETECTEUR PLAN, RESEAU DE DETECTEURS ET PROCEDE POUR PRODUIRE UN ENSEMBLE DETECTEUR PLAN

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Application
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• DE 102004031672 A 20040630

Abstract (en)
[origin: WO2006002617A1] The invention relates to a planar-sensor arrangement (800) which is used to detect particles possibly contained in an analyte. Said sensor element comprises a substrate (803), a first planar-sensor electrode (801) and a second planar-sensor electrode (802) which are formed on and/or in the substrate and whereon catcher molecules can be immobilised. The first sensor-electrode and the second sensor-electrode are divided, respectively, into a plurality of planar sensor-electrode partial areas (801, 802). The sensor electrode partial areas of the first sensor electrode and the sensor electrode partial areas of the second sensor electrode are arranged in an alternating manner in two dimensions on the surface plane of the substrate. Said sensor element also comprises a wiring structure (900) by means of which at least one part of the sensor electrode partial areas of the first sensor electrode are electrically coupled together, and by means of which at least one part of the sensor-electrode partial areas of the second sensor electrode are electrically coupled together.

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Citation (examination)
• WO 0175151 A2 20011011 - INFINEON TECHNOLOGIES AG [DE], et al
• WO 03102602 A2 20031211 - INFINEON TECHNOLOGIES AG [DE], et al
• US 6383858 B1 20020507 - GUPTA ROHINI [US], et al

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